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APPLICATION N	0.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/685,333		10/06/2000	Hiroshi Kubo	1807-126A	3167
6449	7590	09/19/2005		EXAMINER	
		G, ERNST & MAN	TRINH, SONNY		
1425 K S SUITE 80	TREET, N. 00	W.	ART UNIT	PAPER NUMBER	
WASHIN	WASHINGTON, DC 20005			2687	
				DATE MAILED: 09/19/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)					
		09/685,333	KUBO, HIROSHI					
	Office Action Summary	Examiner	Art Unit					
		Sonny TRINH	2687					
Period fo	The MAILING DATE of this communication Reply	on appears on the cover sheet wi	th the correspondence address					
THE - Exte after - If the - If NC - Failt Any	ORTENED STATUTORY PERIOD FOR F MAILING DATE OF THIS COMMUNICAT nsions of time may be available under the provisions of 37 (SIX (6) MONTHS from the mailing date of this communicat period for reply specified above is less than thirty (30) days or period for reply specified above, the maximum statutory are to reply within the set or extended period for reply will, by reply received by the Office later than three months after the ed patent term adjustment. See 37 CFR 1.704(b).	TION. CFR 1.136(a). In no event, however, may a region. s, a reply within the statutory minimum of thirt period will apply and will expire SIX (6) MON a statute, cause the application to become AB	eply be timely filed (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).					
Status								
1)⊠	Responsive to communication(s) filed on	06 July 2004.						
		This action is non-final.						
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
5) <u>□</u> 6)⊠	Claim(s) 1-11 is/are pending in the application of the above claim(s) is/are with Claim(s) is/are allowed. Claim(s) 1.3-8,10 and 11 is/are rejected. Claim(s) 2 and 9 is/are objected to. Claim(s) are subject to restriction is	thdrawn from consideration.						
Applicat	ion Papers							
9)[The specification is objected to by the Exa	aminer.						
10)⊠	10)⊠ The drawing(s) filed on <u>06 July 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
	Applicant may not request that any objection	to the drawing(s) be held in abeyan	ce. See 37 CFR 1.85(a).					
11)	Replacement drawing sheet(s) including the c The oath or declaration is objected to by t							
Priority ι	ınder 35 U.S.C. § 119	•						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of: 1. □ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
Attachmen	• •	_						
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-94	4) Interview S	ummary (PTO-413) /Mail Date					
3) 🔯 Inforr	e of Dransperson's Patent Drawing Review (PTO-94 nation Disclosure Statement(s) (PTO-1449 or PTO/S r No(s)/Mail Date <u>01/26/05</u> .		formal Patent Application (PTO-152)					

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-11 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1, 3-8,10-11 are rejected under 35 U.S.C. 102(b) as being anticipated by William et al. (hereinafter "William"; UK Patent Application number GB 2 259 430 A).

Regarding **claim 1**, with reference to figures 1, 4-5 and descriptions starting from page 4, William discloses a radio communication system (abstract) comprising:

a plurality of transmitters each having at least one antenna for transmitting identical signals with the same frequency band (page 2, lines 14-25) and

a receiver for receiving said signals (figure 5, mobile 55), wherein, said signals being transmitted from said at least one antenna of one transmitter of said plurality of transmitters is delayed an arbitral delay time so that output power which is different from at least one delay output in the other transmitters is set in each of said plurality of transmitters (page 2 line 14 to page 3 line 19, page 8 lines 3-39, see figure 5, antenna 52 and 53 have different delays because of delay element 54).

Claim 2 (Currently Amended) The radio communication system according to claim 1, wherein when signals are delayed at different arbitrary delay times in respective transmitters, a combination of output powers different from corresponding delay outputs in said other transmitters is set in said respective transmitters.

Regarding **claims 3, 5, 7** an equalizer for demodulating a signal transmitted from one antenna is inherent in the receiver (such as the mobile 55 of figure 5).

Regarding **claims 4, 6**, these claims are interpreted and rejected for the same reasons as given in the rejection of claim 1 above.

Regarding **claim 8**, with reference to figures 1 and 5 and descriptions, William discloses a transmitter (figure 5) characterized in that in the case where a plurality of transmitters transmit same signals with same frequency band, at least one antenna is provided, and an arbitrary delay (figure 5, delay 54) is given to said antenna so that an output power which is different from at least one delay output in the other transmitters is set (for further details, see page 2 line 14 to page 3 line 19, page 8 lines 3-39).

Claim 9 (Currently Amended) The transmitter according to claim 8, wherein when different delays as the arbitrary delays are given to a plurality of antennas, a combination of output powers which is different from corresponding delay outputs in the other transmitters is set.

Regarding **claims 10-11**, these claims are interpreted and rejected for the same reasons as given in the rejection of claim 8 above.

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Allowable Subject Matter

3. Claims 2 and 9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding **claims 2 and 9**, the applied references fail to disclose or render obvious the claimed limitations specifically wherein when different delays as the arbitrary delays are given to a plurality of antennas, a combination of output powers which is different from corresponding delay outputs in the other transmitters is set.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later

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than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Sonny TRINH whose telephone number is 571-272-

7927. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Lester KINCAID can be reached on 571-272-7922. The fax phone number

for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

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9/5/05